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| DECLARATION FOR UTILITY OR | Attorney Docket Number | 03-0054 | | | | |
|---|------------------------------|--|--|--|--|--|
| DESIGN | First Named Inventor | Edward H. Park | | | | |
| PATENT APPLICATION | COMPLETE IF KNOWN | | | | | |
| (37 CFR 1.63) | Application Number | | | | | |
| Declaration Declaration | Filing Date | | | | | |
| Submitted OR Submitted after Initial With Initial Filing (surcharge | Art Unit | | | | | |
| Filing (37 CFR 1.16 (e)) required) | Examiner Name | <i></i> | | | | |
| Toganos, | | | | | | |
| I hereby declare that: | | | | | | |
| Each inventor's residence, mailing address, and citizenship are | as stated below next to th | neir name. | | | | |
| I believe the inventor(s) named below to be the original and firs which a patent is sought on the invention entitled: | t inventor(s) of the subject | t matter which is claimed and for | | | | |
| DYNAMIC VULCANIZATION OF ELASTOMERS WITH | IN-SITU POLYMERIZA | TION | | | | |
| | | | | | | |
| | | | | | | |
| (Title of the | Invention) | | | | | |
| the specification of which | e invention) | | | | | |
| ✗ is attached hereto | | | | | | |
| OR | | | | | | |
| was filed on (MM/DD/YYYY) as United States Application Number or PCT International | | | | | | |
| | | —————————————————————————————————————— | | | | |
| Application Number and was amended | ed on (MM/DD/YYYY) | (if applicable). | | | | |
| I hereby state that I have reviewed and understand the contents amended by any amendment specifically referred to above. | s of the above identified sp | pecification, including the claims, as | | | | |
| | | | | | | |
| I acknowledge the duty to disclose information which is mat continuation-in-part applications, material information which be | | | | | | |
| and the national or PCT international filing date of the continuation-in-part application. | | | | | | |
| I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one | | | | | | |
| country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date | | | | | | |
| before that of the application on which priority is claimed. | | | | | | |
| Prior Foreign Application Foreign Filln Number(s) Country (MM/DD/Y | | | | | | |
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| Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. | | | | | | |

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

| Direct all correspondence to: | Custome | r Number: | 29 | 9293 | | OR | Corresp | pondence address below |
|---|---------------------|-----------------|-----------|---------|----------|-----------------------|-----------|---------------------------|
| Name | | l | | | | | | |
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| Address Intellectual Prop 47690 East And | | ment | | | | | - | |
| City | | - | | State | | | | ZIP |
| Plymouth | | | | | MI | | | 48170-2455 |
| Country | | Telephone | | | | Fax | | |
| United States of | America | (734) 4 | 51-002 | 20 | | (734 |) 451- | 2547 |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. | | | | | | | | |
| NAME OF SOLE OR FIRST IN | VENTOR: | | A p | etition | has be | en filed for this | s unsigr | ned inventor |
| Given Name | | | | | F | amily Name | | |
| (first and middle [if any]) Edw | ard Hosung | | | | ٩ | or Surname F | Park - | |
| Inventor's | 10 | | 3 | | | | | Date |
| Signature Z | Ch, | M | C | | | | | 01/20/04 |
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| Saline | N | lichigan | | | U.S | S.A. | | U.S.A. |
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| | | | | | | | | |
| NAME OF SECOND INVENTO | R: | | | | A p | etition has bee | n filed f | or this unsigned inventor |
| Given Name (first and middle [if any]) | | | - · · · - | | | amily Name Surname | | |
| Inventor's | | | - | | | | | Date |
| Signature | | | | | | | | |
| Residence: City | State | | | Coun | try | | Citizer | nship |
| Mailing Address | - | | | L | | | | |
| _ | | | | | | | | |
| City | State | - | | | ZIP | | Count | ry |
| | | | | | | | | |
| Additional inventors or a legal re | presentative are be | ing named on th | ıes | uppleme | ntal she | et(s) PTO/SB/02A | or 02LR | attached hereto. |

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| STATEMEN | NT UNDER 37 CFR 3.73(b) |
|--|--|
| Applicant/Patent Owner: Edward H. Park | |
| Application No./Patent No.: (Not yet assigned) | Filed/Issue Date: (Herewith) |
| Entitled: DYNAMIC VULCANIZATION OF ELASTO | OMERS WITH IN-SITU POLYMERIZATION |
| Freudenberg-NOK General Partnership , a, a, a | |
| (Name of Assignee) | (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) |
| | Ś " |
| states that it is: | |
| 1. X the assignee of the entire right, title, and | interest; or |
| 2. an assignee of less than the entire right, The extent (by, percentage) of its owners | title and interest. ship interest is% |
| in the patent application/patent identified above | e by virtue of either: |
| | e patent application/patent identified above. The assignment nt and Trademark Office at Reel, Frame, or for |
| OR | |
| B. [] A chain of title from the inventor(s), of the assignee as shown below: | ne patent application/patent identified above, to the current |
| 1. From: | To: |
| Reel, Frame | e United States Patent and Trademark Office at copy thereof is attached. |
| 2. From: | To: |
| Reel, Frame | e United States Patent and Trademark Office at, or for which a copy thereof is attached. |
| | To: |
| | e United States Patent and Trademark Office at, or for which a copy thereof is attached. |
| [] Additional documents in the chain | of title are listed on a supplemental sheet. |
| [X] Copies of assignments or other documents [NOTE: A separate copy (i.e., the original a must be submitted to Assignment Division i recorded in the records of the USPTO. See | ssignment document or a true copy of the original document) in accordance with 37 CFR Part 3, if the assignment is to be |
| The undersigned (whose title is supplied below) |) is authorized to act on behalf of the assignee. |
| January <u>22</u> , 2004 | Theodore G. Duclos |
| Date | Typed or printed name |
| | Depore Ducho |
| | Signature Chief Technology Officer |
| | Title |



Attorney Docket 03-0054

ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to as Assignor, has invented

DYNAMIC VULCANIZATION OF ELASTOMERS WITH IN-SITU POLYMERIZATION

for which Assignor is filing a United States Utility Patent Application concurrently herewith; and

WHEREAS, Freudenberg-NOK General Partnership, having a place of business at 47690 East Anchor Court, Plymouth, Michigan 48170, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged. Assignor by this written document does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention described above, said invention and all United States applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made; and Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of United States application for patent and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefore for the benefit of Assignee without further or other compensation than that above set forth; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee.

Edward Hosung Park

January 20, 2004

Date of Signature

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|---|--|--|--|--|
| Application Number | Not yet assigned | | | |
| Filing Date | Herewith | | | |
| First Named Inventor | Edward H. Park | | | |
| Title Dynamic Vulcani | zation Of Elastomers With In-Situ Polymerization | | | |
| Art Unit | Not yet assigned | | | |
| Examiner Name | Not yet assigned | | | |
| Attorney Docket Number | 03-0054 | | | |

| I hereby appoint: | | _ | | |
|--|---|--------------------------|-------------------|---------------------------------|
| Practitioners at Customer Number: OR | 2929 | 3 | | |
| Practitioner(s) named below: | | | | |
| Name | | - | Registration | Number |
| | | | | |
| as my/our attorney(s) or agent(s) to prosecu | ate the application identified | above, and to tran | sact all business | in the United States Patent and |
| Please recognize or change the correspond The above-mentioned Customer N | | identified applicati | ion to: | |
| OR The address associated with Cust | tomer Number: | 29293 | | |
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| Firm or Individual Name Address Address City Country Telephone I am the: Applicant/Inventor. | terest. See 37 CFR 3.71. is enclosed. (Form PTO/SB/ SIGNATURE of Applican | Fax | Record | Zip |
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| Firm or Individual Name Address Address City Country Telephone I am the: Applicant/Inventor. X Assignee of record of the entire int Statement under 37 CFR 3.73(b) is | s enclosed. (Form PTO/SBA SIGNATURE of Applican | Fax | Record | |
| Firm or Individual Name Address Address City Country Telephone I am the: Applicant/Inventor. X Assignee of record of the entire int Statement under 37 CFR 3.73(b) is Name Dr. Theodore G. Duc | s enclosed. (Form PTO/SBA SIGNATURE of Applican | Fax | Record | Zip 734-354-5476 |
| Firm or Individual Name Address Address City Country Telephone I am the: Applicant/Inventor. X Assignee of record of the entire int Statement under 37 CFR 3.73(b) is Name Dr. Theodore G. Duc Signature | SIGNATURE of Applican | Fax 96) t or Assignee of | Telephone | 734-354-5476 |

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